

10/02/953

=> d his

(FILE 'HOME' ENTERED AT 16:49:17 ON 10 MAY 2002)

FILE 'CA' ENTERED AT 16:49:46 ON 10 MAY 2002

E KAISER ROGER/IN

L1 5 S E3-E4
E ENDLEIN EDGAR/IN
L2 8 S E3
E KOSUB MIKE/IN
L3 4 S E3
E GIBIS KARL LUDWIG/IN
L4 4 S E3
E HARY ALEXANDRA/IN
L5 4 S E3
L6 90 S (SEPARAT? OR TWO OR 2 OR MULTI? OR IMMISCIBLE) (P) (PHASE# OR
R
L7 22 S (SEPARAT? OR TWO OR 2 OR MULTI? OR IMMISCIBLE) (3A) (PHASE#
OR
L8 260 S (LOWER OR UPPER OR FIRST OR SECOND) (3A) (PHASE# OR LAYER? OR
R
L9 124 S (LOWER OR UPPER OR FIRST OR SECOND) (3A) (PHASE# OR LAYER? OR
R
L10 113 S L9 NOT L6

FILE 'USPATFULL' ENTERED AT 17:08:50 ON 10 MAY 2002

L11 9 S (LOWER OR FIRST) (W) (PHASE# OR LAYER? OR
REGION#) (5A) (AQUEOUS
L12 985 S L7
L13 120 S (SEPARAT? OR TWO OR 2 OR MULTI? OR IMMISCIBLE) (W) (PHASE# OR
R
L14 60 S L13 AND (CATIONIC OR QUATERNARY AMMONIUM)

=>

L1 5 ("KAISER ROGER"/IN OR "KAISER ROGER JR"/IN)

=> d 1-5 11 ti

L1 ANSWER 1 OF 5 CA COPYRIGHT 2002 ACS

TI Water-soluble packages containing liquid compositions of polyphosphate builder

L1 ANSWER 2 OF 5 CA COPYRIGHT 2002 ACS

TI Systems and methods for forming processing streams for semiconductor substrates

L1 ANSWER 3 OF 5 CA COPYRIGHT 2002 ACS

TI Production of liquid cleaning agents or detergent compositions with separate aqueous phases

L1 ANSWER 4 OF 5 CA COPYRIGHT 2002 ACS

TI Liquid cleaning or detergent composition

L1 ANSWER 5 OF 5 CA COPYRIGHT 2002 ACS

TI Insect-repellent detergent compositions for use on solid surfaces

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L2 8 "ENDLEIN EDGAR"/IN

=> d 1-8 12 ti

L2 ANSWER 1 OF 8 CA COPYRIGHT 2002 ACS
TI Cleaning agent for glass-ceramic surfaces

L2 ANSWER 2 OF 8 CA COPYRIGHT 2002 ACS
TI Production of liquid cleaning agents or detergent compositions with separate aqueous phases

L2 ANSWER 3 OF 8 CA COPYRIGHT 2002 ACS
TI Liquid cleaning or detergent composition

L2 ANSWER 4 OF 8 CA COPYRIGHT 2002 ACS
TI Cleaning compositions containing N'-Alkyl-N-(3-aminopropyl)-glycine derivative amphoteric surfactants and nonionic surfactants for cleaning hard surfaces with good cleaning efficiency

L2 ANSWER 5 OF 8 CA COPYRIGHT 2002 ACS
TI Tablet composition for deliming or disinfection of water reservoirs in cooking or hygienic applications

L2 ANSWER 6 OF 8 CA COPYRIGHT 2002 ACS
TI Composition for use in a water reservoir

L2 ANSWER 7 OF 8 CA COPYRIGHT 2002 ACS
TI Insecticidal liquid detergent composition for solid surfaces

L2 ANSWER 8 OF 8 CA COPYRIGHT 2002 ACS
TI Insect-repellent detergent compositions for use on solid surfaces

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L3 4 "KOSUB MIKE"/IN

=> d 1-4 13 ti

L3 ANSWER 1 OF 4 CA COPYRIGHT 2002 ACS
TI Cleaning agent for glass-ceramic surfaces

L3 ANSWER 2 OF 4 CA COPYRIGHT 2002 ACS
TI Production of liquid cleaning agents or detergent compositions with
separate aqueous phases

L3 ANSWER 3 OF 4 CA COPYRIGHT 2002 ACS
TI Liquid cleaning or detergent composition

L3 ANSWER 4 OF 4 CA COPYRIGHT 2002 ACS
TI Cleaning compositions containing N'-Alkyl-N-(3-aminopropyl)-glycine
derivative amphoteric surfactants and nonionic surfactants for cleaning
hard surfaces with good cleaning efficiency

=>

L4 4 "GIBIS KARL LUDWIG"/IN

=> d 1-4 14 ti

L4 ANSWER 1 OF 4 CA COPYRIGHT 2002 ACS

TI Production of liquid cleaning agents or detergent compositions with
separate aqueous phases

L4 ANSWER 2 OF 4 CA COPYRIGHT 2002 ACS

TI Liquid cleaning or detergent composition

L4 ANSWER 3 OF 4 CA COPYRIGHT 2002 ACS

TI Tablet composition for deliming or disinfection of water reservoirs in
cooking or hygienic applications

L4 ANSWER 4 OF 4 CA COPYRIGHT 2002 ACS

TI Composition for use in a water reservoir

=>

L5 4 "HARY ALEXANDRA"/IN

=> d 1-4 15 ti

L5 ANSWER 1 OF 4 CA COPYRIGHT 2002 ACS
TI Cleaning agent for glass-ceramic surfaces

L5 ANSWER 2 OF 4 CA COPYRIGHT 2002 ACS
TI Production of liquid cleaning agents or detergent compositions with
separate aqueous phases

L5 ANSWER 3 OF 4 CA COPYRIGHT 2002 ACS
TI Liquid cleaning or detergent composition

L5 ANSWER 4 OF 4 CA COPYRIGHT 2002 ACS
TI Cleaning compositions containing N'-Alkyl-N-(3-aminopropyl)-glycine
derivative amphoteric surfactants and nonionic surfactants for cleaning
hard surfaces with good cleaning efficiency

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L7 22 (SEPARAT? OR TWO OR 2 OR MULTI? OR IMMISCIBLE) (3A) (PHASE# OR REGION# OR LAYER?) (P) LIQUID(P) (AQUEOUS OR SOLUTION OR WATER OR H₂O) (P) DETERGENT#

=> d 1-22 17 ti

L7 ANSWER 1 OF 22 CA COPYRIGHT 2002 ACS

TI Production of **liquid** cleaning agents or **detergent** compositions with **separate aqueous phases**

L7 ANSWER 2 OF 22 CA COPYRIGHT 2002 ACS

TI Non-**aqueous**, nonionic heavy duty **liquid** laundry **detergent** containing microspheres and/or vicinal hydroxy compounds for resistance to **phase separation**

L7 ANSWER 3 OF 22 CA COPYRIGHT 2002 ACS

TI Detergent alkylates

L7 ANSWER 4 OF 22 CA COPYRIGHT 2002 ACS

TI A layered product of silicon on spinel

L7 ANSWER 5 OF 22 CA COPYRIGHT 2002 ACS

TI Liquid detergents

L7 ANSWER 6 OF 22 CA COPYRIGHT 2002 ACS

TI Polyalkylene polyol and N-sulfonylalkanolamine and fluoroamine arene sulfonates

L7 ANSWER 7 OF 22 CA COPYRIGHT 2002 ACS

TI Cylic amidines

L7 ANSWER 8 OF 22 CA COPYRIGHT 2002 ACS

TI Ion-exchange process

L7 ANSWER 9 OF 22 CA COPYRIGHT 2002 ACS

TI Purification of sulfonation products

L7 ANSWER 10 OF 22 CA COPYRIGHT 2002 ACS

TI Anomalous behavior of surfactants based on ethylene oxide

L7 ANSWER 11 OF 22 CA COPYRIGHT 2002 ACS

TI Liquid detergent compositions

L7 ANSWER 12 OF 22 CA COPYRIGHT 2002 ACS

TI Steaming padding of dyes on textiles

L7 ANSWER 13 OF 22 CA COPYRIGHT 2002 ACS

TI Sulfur compounds in the kerosine boiling range of Middle East distillates.

Occurrence of a bicyclic thiophene and a thienyl sulfide

L7 ANSWER 14 OF 22 CA COPYRIGHT 2002 ACS

TI Homogenizing turbid two-phase aqueous mixtures of alkylated aromatic hydroxy compounds

L7 ANSWER 15 OF 22 CA COPYRIGHT 2002 ACS

TI Synthetic detergents

L7 ANSWER 16 OF 22 CA COPYRIGHT 2002 ACS
TI Neutralization of sulfonated organic esters

L7 ANSWER 17 OF 22 CA COPYRIGHT 2002 ACS
TI Alkyl aryl sulfonate detergents

L7 ANSWER 18 OF 22 CA COPYRIGHT 2002 ACS
TI Neutralization of acid sulfonation products

L7 ANSWER 19 OF 22 CA COPYRIGHT 2002 ACS
TI Separating sulfonic compounds such as those produced by sulfonating mineral oil constituents

L7 ANSWER 20 OF 22 CA COPYRIGHT 2002 ACS
TI Emulsification and detergent action

L7 ANSWER 21 OF 22 CA COPYRIGHT 2002 ACS
TI Distribution of suspended material between two liquid phase and its practical significance

L7 ANSWER 22 OF 22 CA COPYRIGHT 2002 ACS
TI Distribution of suspended material between two liquid phases and its practical significance

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L10 ANSWER 27 OF 113 CA COPYRIGHT 2002 ACS

AN 105:158795 CA

TI Shampoo compositions

IN Cook, Robert Victor; Pool, Hazel

PA Reckitt and Colman Products Ltd., UK

SO Eur. Pat. Appl., 36 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | EP 175485 | A2 | 19860326 | EP 1985-305893 | 19850819 |
| | EP 175485 | A3 | 19871125 | | |
| | R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE | | | | |
| | AU 8545972 | A1 | 19860227 | AU 1985-45972 | 19850809 |
| | AU 580322 | B2 | 19890112 | | |
| | ZA 8506148 | A | 19860430 | ZA 1985-6148 | 19850814 |
| | NO 8503271 | A | 19860224 | NO 1985-3271 | 19850819 |
| | FI 8503187 | A | 19860222 | FI 1985-3187 | 19850820 |
| | DK 8503774 | A | 19860222 | DK 1985-3774 | 19850820 |
| | JP 63022009 | A2 | 19880129 | JP 1986-63816 | 19860320 |
| PRAI | GB 1984-21196 | | 19840821 | | |

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=> d 2 110 all

L10 ANSWER 2 OF 113 CA COPYRIGHT 2002 ACS
AN 134:328255 CA
TI Aqueous multiphase manual dishwashing detergent, its production and its use
IN Meine, Georg; Giesen, Brigitte; Zaika, Dagmar; Wortmann, Marion
PA Henkel Kommanditgesellschaft auf Aktien, Germany
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA German
IC ICM C11D017-00
ICS C11D003-43; C11D003-20
CC 46-6 (Surface Active Agents and Detergents)
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----------------------|------|---|------------------|----------|
| PI WO 2001030958 | A1 | 20010503 | WO 2000-EP10195 | 20001017 |
| | W: | AU, BR, CN, CZ, DZ, HU, ID, IL, IN, JP, KR, MX, PL, RO, RU, SG, SI, SK, TR, UA, ZA | | |
| | RW: | AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | |
| DE 19951635 | A1 | 20010517 | DE 1999-19951635 | 19991026 |
| PRAI DE 1999-19951635 | A | 19991026 | | |

AB The invention relates to an aq. surfactant-contg. multiphase aq. manual dishwashing detergent comprising .gtoreq.2 continuous phases. The detergent has at least one **lower** aq. phase and an **upper** aq. phase which are not miscible, and which can be temporarily converted into an emulsion by shaking. The detergent contains >2 wt.% of at least one org. solvent, can be used for cleaning hard surfaces, esp. crockery, and is produced by directly mixing the raw materials, then re-mixing them, and finally allowing the product to stand in order to sep. the temporary emulsion.

An example contained ethoxylated fatty alc. sulfate Na salt, fatty alkyl glucoside, dioctyl ether, and iso-PrOH in addn. to **water**.

ST dishwashing detergent manual emulsifiable aq

IT Amine oxides
RL: TEM (Technical or engineered material use); USES (Uses)
(C12-14-alkyl, Genaminox LA; in aq. emulsifiable manual dishwashing detergent compns.)

IT Sulfonic acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C14-17-sec-alkanesulfonic, sodium salts, Hostapur SAS 60; in aq. emulsifiable manual dishwashing detergent compns.)

IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C9-11, ethoxylated, Neodol 91-6; in aq. emulsifiable manual dishwashing detergent compns.)

IT Glycosides
RL: TEM (Technical or engineered material use); USES (Uses)
(alkyl; in aq. emulsifiable manual dishwashing detergent compns.)

IT Surfactants
(amphoteric; in aq. emulsifiable manual dishwashing detergent compns.)

IT Surfactants
(anionic; in aq. emulsifiable manual dishwashing detergent compns.)

IT Betaines
RL: TEM (Technical or engineered material use); USES (Uses)
(coco alkylidimethyl, Dehyton AB 30; in aq. emulsifiable manual dishwashing detergent compns.)

IT Detergents
(dishwashing, liq.; aq. emulsifiable manual dishwashing detergent compns.)

IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(fatty, ethoxylated; in aq. emulsifiable manual dishwashing detergent compns.)

IT Detergent builders
(in aq. emulsifiable manual dishwashing detergent compns.)

IT Enzymes, uses
RL: CAT (Catalyst use); USES (Uses)
(in aq. emulsifiable manual dishwashing detergent compns.)

IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(in aq. emulsifiable manual dishwashing detergent compns.)

IT Surfactants
(nonionic; in aq. emulsifiable manual dishwashing detergent compns.)

IT Essential oils
RL: MOA (Modifier or additive use); USES (Uses)
(pine; in aq. emulsifiable manual dishwashing detergent compns.)

IT 77-92-9, Citric acid, uses 138-86-3, Limonene 141-43-5, Ethanolamine, uses 5949-29-1, Citric acid monohydrate 7647-14-5, Sodium chloride, uses 7757-82-6, Sodium sulfate, uses 7786-30-3, Magnesium chloride, uses 7791-18-6, Magnesium chloride hexahydrate 78871-22-4
RL: MOA (Modifier or additive use); USES (Uses)
(in aq. emulsifiable manual dishwashing detergent compns.)

IT 64-17-5, Ethanol, uses 67-63-0, 2-Propanol, uses 71-23-8, 1-Propanol, uses 629-82-3, Diethyl ether 29387-86-8, Dowanol PnB 34590-94-8, Dowanol DPM
RL: NUU (Other use, unclassified); USES (Uses)
(in aq. emulsifiable manual dishwashing detergent compns.)

IT 488-43-7D, Glucamine, amide derivs. 7664-93-9D, Sulfuric acid, fatty alkyl ethoxylate esters, sodium salts, uses 9003-11-6D, Ethylene oxide-propylene oxide copolymer, C8-alkyl monoethers 36574-66-0D,

N-coco
acyl derivs. 336791-12-9, Texapon SPN 70 336791-13-0, Texapon KE 3419
RL: TEM (Technical or engineered material use); USES (Uses)
(in aq. emulsifiable manual dishwashing detergent compns.)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) American Chemical Society; CHEMICAL ABSTRACTS + INDEXES 1987, V4(107), P106
(2) Brusky, J; US 4749516 A 1988 CA
(3) Dow Chemical Co; WO 9804761 A 1998 CA
(4) Henkel Kgaa; DE 19811386 A 1999 CA
(5) Henkel Kgaa; WO 0039270 A 2000
(6) Henkel Kgaa; WO 0061716 A 2000
(7) Lion Corp; JP 61296099 A 1986 CA
(8) Unilever Nv; DE 1816927 A 1969 CA

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L11 9 (LOWER OR FIRST) (W) (PHASE# OR LAYER? OR REGION#) (5A) (AQUEOUS
OR
WATER OR H₂O) (P) (UPPER OR LOWER) (W) (PHASE# OR LAYER? OR
REGION#)
(5A) (AQUEOUS OR WATER OR H₂O) (P) DETERGENT#

=> d 1-9 l11 ti

L11 ANSWER 1 OF 9 USPATFULL
TI Cleaning process and detergent used therefor

L11 ANSWER 2 OF 9 USPATFULL
TI Automatic washing machine fitted for drying

L11 ANSWER 3 OF 9 USPATFULL
TI Detergent composition

L11 ANSWER 4 OF 9 USPATFULL
TI Controlled foaming detergent compositions

L11 ANSWER 5 OF 9 USPATFULL
TI Alkylaromatic sulfonate detergent process

L11 ANSWER 6 OF 9 USPATFULL
TI SHAMPOO COMPOSITION POSSESSING SEPARATE LOTION PHASE

L11 ANSWER 7 OF 9 USPATFULL
TI LIQUID DETERGENT COMPOSITIONS

L11 ANSWER 8 OF 9 USPATFULL
TI ALKYLAROMATIC SULFONATE DETERGENT PROCESS OF PREPARATION

L11 ANSWER 9 OF 9 USPATFULL
TI SECONDARY ALKYL SULFATE DETERGENT PROCESS

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